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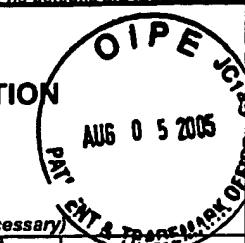
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**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT
BY APPLICANT**

(Use as many sheets as necessary)

Sheet



1

of

Application Number	10/764,088
Filing Date	January 23, 2004
First Named Inventor	Eric J. Horvitz
Art Unit	2165
Examiner Name	Apu M. Mofiz
Attorney Docket Number	MS164190.03/MSFTP209USB

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			Cited by Am
		US- 6,513,046	01-28-2003	Abbott, III et al.	707/104.1
		US- 6,747,675	06-08-2004	Abbott et al.	715/740
		US- 6,801,223	10-05-2004	Abbott et al.	715/740
		US- 6,842,877	01-11-2005	Robarts et al.	715/708
		US- 6,466,232	10-15-2002	Newell et al.	715/700
		US- 6,549,915	04-15-2003	Abbott, III et al.	707/104.1
		US- 6,791,580	09-14-2004	Abbott et al.	715/744
		US- 6,812,937	11-02-2004	Abbott et al.	715/740
		US- 2001/0040591	11-15-2001	Abbott et al.	715/700
		US- 2001/0043232	11-22-2001	Abbott et al.	715/700
		US- 2002/0044152	04-18-2002	Abbott, III et al.	345/629
		US- 2002/0052963	05-02-2002	Abbott et al.	709/230
		US- 2002/0054174	05-09-2002	Abbott et al.	715/863
		US- 2002/0080155	06-27-2002	Abbott et al.	715/700
		US- 2002/0083025	06-27-2002	Robarts et al.	706/12
		US- 2002/0087525	07-04-2002	Abbott et al.	707/3
		US- 2003/0046401	03-06-2003	Abbott et al.	709/228
		US- 2005/0034078	02-10-2005	Abbott et al.	715/740

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	<i>Apu Mofiz</i>	Date Considered	09-13-05
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AM		US- 2001/0040590	11-15-2001	Abbott et al.	715/700
		US- 2001/0043231	11-22-2001	Abbott et al.	715/700
		US- 2002/0032689	03-14-2002	Abbott, III et al.	709/104, 1
		US- 2002/0052930	05-02-2002	Abbott et al.	709/218
		US- 2002/0054130	05-09-2002	Abbott, III et al.	715/783
		US- 2002/0078204	06-20-2002	Newell et al.	709/225
		US- 2002/0080156	06-27-2002	Abbott et al.	715/700
		US- 2002/0083158	06-27-2002	Abbott et al.	709/220
		US- 2002/0099817	07-25-2002	Abbott et al.	709/224
		US- 2003/0154476	08-14-2003	Abbott, III et al.	725/137
		US- 5,603,054	02-11-1997	Theimer et al.	710/6
		US- 5,555,376	09-10-1996	Theimer et al.	709/229
		US- 5,611,050	03-11-1997	Theimer et al.	709/202
		US- 5,544,321	08-06-1996	Theimer et al.	709/226
		US- 5,493,692	02-20-1996	Theimer et al.	709/261
AM		US- 5,812,865	09-22-1998	Theimer et al.	709/228
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Examiner Signature

Apu Mofiz

Date Considered

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First Named Inventor	Eric J. Horvitz		
Art Unit	2165		
Examiner Name	Apu M. Mofiz		
Sheet	3	of	5
		Attorney Docket Number	MS164190.03/MSFTP209USB

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>AM</i>		ANDY HARTER, et al., A Distributed Location System for the Active Office, IEEE Network, 1994, pp. 62-70.	
		GUANLING CHEN, et al., A Survey of Context-Aware Mobile Computing Research, Dartmouth Computer Science Technical Report, 2000, 16 pages.	
		WILLIAM NOAH SCHILT, A System Architecture for Context-Aware Mobile Computing, Columbia University, 1995, 153 pages.	
		MIKE SPREITZER, et al., Providing Location Information in a Ubiquitous Computing Environment, SIGOPS '93, 1993, pp.270-283.	
		MARVIN THEIMER, et al., Operating System Issues for PDAs, In Fourth Workshop on Workstation Operating Systems, 1993, 7 pages.	
		ROY WANT, Active Badges and Personal Interactive Computing Objects, IEEE Transactions on Consumer Electronics, 1992, 11 pages, Vol. 38 - No. 1.	
		BILL N. SCHILIT, et al., The ParcTab Mobile Computing System, IEEE WWOS-IV, 1993, 4 pages.	
		BILL SCHILIT, et al., Context-Aware Computing Applications, In Proceedings of the Workshop on Mobile Computing Systems and Applications, December 1994. pp. 85-90.	
		BILL N. SCHILIT, et al., Customizing Mobile Applications, Proceedings USENIX Symposium on Mobile and Location Independent Computing, August 1993, 9 pages.	
<i>AM</i>		MIKE SPREITZER, et al., Architectural Considerations for Scalable, Secure, Mobile Computing with Location Information, In The 14th International Conference on Distributed Computing Systems, June 1994. pages 29-38.	

Examiner Signature	<i>Apu Mofiz</i>	Date Considered	09-13-05
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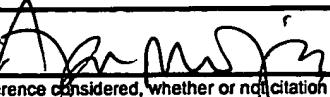
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Examiner Name	Apu M. Mofiz

Sheet 4 of 5 Attorney Docket Number MS164190.03/MSFTP209USB

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AM		MIKE SPREITZER et al., Scalable, Secure, Mobile Computing with Location Information, Communications of the ACM, July 1993, 1 page, Vol. 36 - No. 7.	
		ROY WANT, et al., The Active Badge Location System, ACM Transactions on Information Systems, January 1992, pp. 91-102, Vol. 10 - No. 1.	
		MARK WEISER, Some Computer Science Issues in Ubiquitous Computing, Communications of the ACM, July 1993, pp. 75-84, Vol. 36 - No. 7.	
		M. BILLINGHURST, et al., An Evaluation of Wearable Information Spaces, Proceedings of the Virtual Reality Annual International Symposium, 1998, 8 pages.	
		BRADLEY J. RHODES, Remembrance Agent: A continuously running automated information retrieval system, The Proceedings of The First International Conference on The Practical Application Of Intelligent Agents and Multi Agent Technology, 1996, pp. 487-495.	
		ERIC HORVITZ, et al., In Pursuit of Effective Handsfree Decision Support: Coupling Bayesian Inference, Speech Understanding, and User Models, 1995, 8 pages.	
		BRADLEY J. RHODES, The Wearable Remembrance Agent: A System for Augmented Theory, The Proceedings of The First International Symposium on Wearable Computers, October 1997, pp. 123-128.	
		ERIC HORVITZ, et al., Attention-Sensitive Alerting in Computing Systems, Microsoft Research, August 1999.	
		BILL N. SCHILIT, et al., Disseminationg Active Map Information to Mobile Hosts, IEEE Network, 1994, pages 22-32, Vol. 8 - No. 5.	
AM		MARK BILLINGHURST, et al., Wearable Devices: New Ways to Manage Information, IEEE Computer Society, January 1999, pp. 57-64.	

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(Use as many sheets as necessary)		First Named Inventor	Eric J. Horvitz		
		Art Unit	2165		
		Examiner Name	Apu M. Mofiz		
Sheet	5	of	5	Attorney Docket Number	MS164190.03/MSFTP209USB

NON PATENT LITERATURE DOCUMENTS				
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A.M.		THAD EUGENE STARNER, Wearable Computing and Contextual Awareness, Massachusetts Institute of Technology, June 1999, 248 pages.		T ²
		BRADLEY J. RHODES, The Wearable Remembrance Agent: A System for Augmented Memory, Personal Technologies Journal Special Issue on Wearable Computing, 1997, 12 pages.		
		Workshop on Wearable Computing Systems, August 19-21, 1996.		
		MARK BILLINGHURST, Research Directions in Wearable Computing, University of Washington, May, 1998, 48 pages.		
A.M.		Mark Weiser. The Computer for the 21st Century, Scientific American, September 1991, pp. 94-104, Vol. 265 - No. 3.		

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